# Massachusetts Coastal and Estuarine Land Conservation Program Potential Project Areas

Metadata also available as

## Metadata:

- Identification\_Information
- Data\_Quality\_Information
- Spatial\_Data\_Organization\_Information
- Spatial\_Reference\_Information
- Entity\_and\_Attribute\_Information
- <u>Distribution\_Information</u>
- Metadata\_Reference\_Information

#### *Identification\_Information:*

#### Citation:

Citation\_Information:

Originator: EOEA - Office of Coastal Zone Management

Publication\_Date: November 2005

Title:

Massachusetts Coastal and Estuarine Land Conservation Program Potential Project Areas

Geospatial\_Data\_Presentation\_Form: vector digital data

Online\_Linkage: \\env-fp-cau01\Shared\czm\mcarullo\CELCP\celcp\_all.shp

## Description:

#### Abstract:

To be eligible for consideration under the Coastal and Estuarine Land Conservation Program (CELCP), prospective projects, in addition to meeting other criteria explained in the CELC Plan and Request For Responses, must be wholly or partially within the potential "project areas" identified in the Massachusetts CELC Plan, or the project proponent must demonstrate to the satisfaction of CZM that it should be defined as a potential "project area." This 1:25,000 vector dataset represents the CELCP potential project areas and is the conglomeration of many datasets, beginning with a modified verision of the Massachusetts Statewide Land

#### Conservation Plan data.

The NOAA Coastal and Estuarine Land Conservation Program protects "important coastal and estuarine areas that have significant conservation, recreation, ecological, historical, or aesthetic values, or that are threatened by conversion from their natural or recreational state to other uses." NOAA's CELCP also gives "priority to lands which can be effectively managed and protected and that have significant ecological value." CZM, through its Coastal and Estuarine Land Conservation (CELC) Plan provides guidance on the priority areas for land conservation in Massachusetts and the types of coastal and estuarine resources important for protection. CZM provides the coordinating and facilitating role for the solicitation of highly competitive coastal and estuarine land conservation projects within the Commonwealth, and also takes the lead in selecting and nominating projects to NOAA for further consideration under the national CELCP selection process. Based on this solicitation, CZM will nominate to NOAA those projects believed to be most beneficial to the Commonwealth and most competitive in the federal selection process. To assist in this endeavor CZM is planning to establish an advisory committee including representatives of state and federal agencies and others with experience and interest in land conservation activities.

Purpose: To determine CELCP project eligibility.

Supplemental\_Information:

Visit www.mass.gov/czm/celcp/index.htm for more information on the Massachusetts Coastal and Estuarine Land Conservation Program.

*Time\_Period\_of\_Content:* 

 $Time\_Period\_Information:$ 

Single\_Date/Time:

Calendar\_Date: November 2005

Currentness\_Reference: publication date

Status:

Progress: Complete

Maintenance\_and\_Update\_Frequency: None planned

Spatial\_Domain:

Bounding\_Coordinates:

West\_Bounding\_Coordinate: -71.344826 East\_Bounding\_Coordinate: -69.901919 North\_Bounding\_Coordinate: 42.888228 South\_Bounding\_Coordinate: 41.237836

Keywords:

Theme:

*Theme\_Keyword\_Thesaurus:* None

Theme\_Keyword: CELCP

Theme\_Keyword: land acquisition
Theme Keyword: land conservation

*Theme\_Keyword:* land protection

Theme\_Keyword: open space

*Theme\_Keyword:* resource protection

Theme\_Keyword: coastal zone

Theme\_Keyword: estuarine

Theme\_Keyword: CZM

Theme\_Keyword: NOAA

#### Place:

Place\_Keyword: towns
Place\_Keyword: statewide
Place\_Keyword: Massachusetts

Access\_Constraints: None

*Use\_Constraints:* 

This dataset was produced for the sole purpose of helping applicants demonstrate whether their project is within the "project area" identified in the CELC Plan. It is intended for application at the town level--geographic areas from several hundreds to tens of thousands of acres. The appropriate map scale for viewing the CELCP data is 1:25,000. Displaying these data at scales greater than 1:25,000 (e.g., 1:10,000) could introduce horizontal positional inaccuracies that would compound those already inherent in the data. The dataset is based on MassGIS's Land Use data and should not be mistaken for parcel-based data. Appropriate parcel data was not available for use during the development of the CELC Plan.

The Commonwealth of Massachusetts, the Executive Office of Environmental Affairs, and the Massachusetts Office of Coastal Zone Management make no warranties as to the accuracy of these data or any associated data. Any party that relies on these data or associated data as accurate does so at his, her, or its own risk. None of the above-named parties shall be liable for any discrepancies or inaccuracies present within these data or any data associated with the Coastal and Estuarine Land Conservation Program.

## Point\_of\_Contact:

 $Contact\_Information:$ 

Contact\_Person\_Primary:

Contact\_Person: David Janik

Contact\_Organization: EOEA - Office of Coastal Zone Management

Contact\_Position: CZM CELCP Coordinator

Contact\_Address:

Address\_Type: mailing address Address: 251 Causeway Street

Address: Suite 800

City: Boston

State\_or\_Province: MA
Postal Code: 02114

Country: USA

Contact\_Voice\_Telephone: 508-291-3625

Contact\_Electronic\_Mail\_Address: david.janik@state.ma.us

Hours\_of\_Service: 9 AM - 5 PM

Native\_Data\_Set\_Environment:

Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.1.0.722

## Data\_Quality\_Information:

Attribute\_Accuracy:

Attribute\_Accuracy\_Report:

The default Area and Perimeter measurements--in square meters--were internally updated with each change in geometry, as they were stored in the Personal Geodatabase format. Area measurements in Acres were updated by the user during geoprocessing when necessary. Town names and IDs were verified by MassGIS in their original source data. CELCP IDs follow the sequence of the ArcGIS-defined internal Feature ID.

## Logical\_Consistency\_Report:

Data were developed in the ArcGIS 9.1 Personal Geodatabase format with topology classes. Slivers, gaps, and overlaps were formed when various data layers were geoprocessed to form the CELCP data layer. Gaps were allowed, slivers were eliminated (see Process Steps in the Data Quality section), and overlaps were merged/subtracted. Data is confirmed to have NO: overlapping features, null geometry, short segments, incorrect ring ordering, incorrect segment orientation, self intersections, unclosed rings, or empty parts.

## Completeness\_Report:

This data layer is complete to the extent that it's inputs are complete. These include Hydrography, Coastline, FEMA Q3 Flood Zones, Trail Vision, Open Space, Land Use, and of course, the Statewide Land Conservation Plan (SLCP) data. Please refer to Source Information and Process Steps in the Data Quality section of this metedata for information on these inputs. Note the currentness of these source data. For instance, MassGIS's Land Use data were produced from 1999 aerial color infrared photography. Obviously, Massachusetts coastal communities have experienced change in land cover and land use since 1999. Post-1999 land use data were unavailable during the development of the CELC Plan.

The minimum mapping unit for the CELCP potential project areas is 1 acre. This was dictated by the minimum mapping unit for MassGIS's Land Use data layer, in which the ArcInfo Identity command was used to help identify areas not suitable for conservation due to development. It was our intention to map potential project areas small in size (e.g., 1 acre) due to the lack of available open space suitable for conservation in urban areas. The original SLCP data, which was an important building block for the CELCP potential

project areas, has a 3 acre minimum mapping unit. *Positional\_Accuracy:* 

Horizontal\_Positional\_Accuracy:

Horizontal\_Positional\_Accuracy\_Report:

There are many factors that affect the accuracy of the CELCP potential "project area" boundaries. The greatest source of error is the error associated with the data layers used in defining the "project areas." These data layers are derived from a number of different sources. One example of such a source is the USGS Topographic Quadrangle. The USGS National Mapping Program recognizes that 1:24,000 maps have accuracy standards of +/- 40 feet. This example illustrates how the error described above, as well as digitization error and/or map registration error are inherited by the CELCP potential "project areas" data via their source data.

The main layers that were used to develop the "project areas" are described in Source Information in the Data Quality section of this document. The following datasets were used to develop the CELCP data:

Hydrography (1:25,000); Coastline (1:25,000); FEMA Q3 Flood Zones (1:24,000); Trail Vision; Protected and Recreational Open Space (various levels of parcel data); Land Use (1:25,000); Statewide Land Conservation Areas (i.e., in addition to "hand-drawn" areas of interest, these data incorporate various EPA and MA DEP hyrdography and regulatory data, such as Wellhead Protection Areas and Sole Source Aquifers).

## Lineage:

Source\_Information:

Source\_Citation:

Citation\_Information:

Originator: EOEA - MassGIS

Publication\_Date: Unpublished Material
Title: Statewide Land Conservation Plan

Geospatial\_Data\_Presentation\_Form: vector digital data

Other\_Citation\_Details:

This layer is a product of incorporating the following sources in various forms: digitized interests of dedicated land protection organizations including EOEA agencies, Regional Planning Agencies, and national and regional NGOs and land trusts; Surface Water Protection Areas, DEP Wellhead Protection Areas, EPA Sole Source Aquifers, Outstanding Resource Waters, and BioCMap Core habitat, among others.

Source\_Scale\_Denominator: 25000

Type\_of\_Source\_Media: electronic mail system

Source Time Period of Content:

*Time\_Period\_Information:* 

Single\_Date/Time:

Calendar\_Date: unknown

Source\_Currentness\_Reference: publication date

*Source\_Contribution:* 

The SLCP data were modified to direct focus of prioritizing land conservation to coastal and estuarine areas.

Source\_Information:

Source\_Citation:

Citation\_Information:

Originator: EOEA - MassGIS

Publication\_Date: February 2005

Title: Hydrography

Geospatial\_Data\_Presentation\_Form: vector digital data

Other\_Citation\_Details:

These line and polygon data are hybrids of data based on USGS Digital Line Graphs (DLGs), scanned mylar separates obtained from the USGS, and digitized hydrographic features from paper USGS 1:25,000 Topographic Quadrangle maps. Visit <a href="http://mass.gov/mgis/hd.htm">http://mass.gov/mgis/hd.htm</a> for more information.

Source\_Scale\_Denominator: 25000

*Type\_of\_Source\_Media:* computer program

Source\_Time\_Period\_of\_Content:

*Time\_Period\_Information:* 

Single\_Date/Time:

Calendar\_Date: February 2005

Source\_Currentness\_Reference: publication date

Source\_Contribution:

Select linear and polygonal hydrographic features (rivers, streams, lakes, and ponds, of various types) were buffered to offer additional protection priority.

Source\_Information:

Source\_Citation:

Citation\_Information:

Originator: EOEA - MassGIS Publication\_Date: April 1992

Title: Coastline

Geospatial\_Data\_Presentation\_Form: vector digital data

Other\_Citation\_Details:

MassGIS has modified the USGS 1:24,000 Hydrography Digital Line Graph (DLG) quadrangle files to produce the Massachusetts coastline. Visit <a href="http://mass.gov/mgis/cs.htm">http://mass.gov/mgis/cs.htm</a> for more information.

Source\_Scale\_Denominator: 25000

*Type\_of\_Source\_Media:* computer program

Source\_Time\_Period\_of\_Content:

Time\_Period\_Information:

Single\_Date/Time:

Calendar\_Date: April 1992

Source\_Currentness\_Reference: publication date

Source\_Contribution:

The Coastline data were buffered to offer additional protection priority.

Source\_Information:

Source\_Citation:

Citation\_Information:

Originator: FEMA

Originator: EOEA - MassGIS Publication\_Date: July 1997 Title: FEMA Q3 Flood Zones

Geospatial\_Data\_Presentation\_Form: vector digital data

Other\_Citation\_Details:

FEMA created the Q3 Flood data by scanning current FIRM paper maps and vectorizing the data. Though the scales of the map sheets vary and the original paper FIRMs contain no horizontal control, the data do have horizontal control consistent with 1:24,000 maps. This was accomplished by fitting the flood data to a USGS quadrangle. Edgematching, overlaps and underlaps in data and other problems were not corrected during the conversion process. The data were received from FEMA as ARC/INFO export files which were processed by MassGIS and incorporated into the data library. Visit <a href="http://mass.gov/mgis/q3.htm">http://mass.gov/mgis/q3.htm</a> for more information.

Source\_Scale\_Denominator: 24000

*Type\_of\_Source\_Media:* computer program

Source\_Time\_Period\_of\_Content:

Time\_Period\_Information:

Single\_Date/Time:

Calendar\_Date: July 1997

Source\_Currentness\_Reference: publication date

Source Contribution:

Select flood zones (V and VE) were buffered to offer additional protection priority.

Source\_Information:

Source Citation:

Citation\_Information:

Originator: EOEA - MassGIS Publication\_Date: January 2002 Title: Land Use

Geospatial\_Data\_Presentation\_Form: vector digital data Other\_Citation\_Details:

The MassGIS Land Use datalayer has 37 land use classifications (MacConnelll) interpreted from 1:25,000 aerial color infrared photography. Photointerpretation and digitizing were completed by the UMASS Department of Forestry Resource Mapping Project. As part of the 1999 update RMP staff also removed slivers generated in earlier updates, fine-tuned edgematching between towns, and reinterpreted some historical land use codes. Visit

<a href="http://mass.gov/mgis/lus.htm">http://mass.gov/mgis/lus.htm</a> for more information.

Source\_Scale\_Denominator: 25000

*Type\_of\_Source\_Media:* computer program

Source\_Time\_Period\_of\_Content:

Time\_Period\_Information:

Single\_Date/Time:

Calendar\_Date: January 2002

Source\_Currentness\_Reference: publication date

*Source\_Contribution:* Land use data were used to screen potential project areas. *Source\_Information:* 

Source\_Citation:

Citation\_Information:

Originator: EOEA - MassGIS Publication\_Date: May 2005

Title: Protected and Rereational Open Space

Geospatial\_Data\_Presentation\_Form: vector digital data

*Other\_Citation\_Details:* Visit <a href="http://mass.gov/mgis/osp.htm">http://mass.gov/mgis/osp.htm</a> for

more information.

Type\_of\_Source\_Media: computer program

Source\_Time\_Period\_of\_Content:

Time\_Period\_Information:

Single\_Date/Time:

Calendar\_Date: May 2005

Source\_Currentness\_Reference: publication date

Source\_Contribution:

Select existing Open Space data (those areas protected in perpituity) were used to screen potential project areas.

Process\_Step:

Process\_Description:

These process steps describe, in general, the procedures used to produce the Massachusetts Coastal and Estuarine Land Conservation Program Potential Project Areas dataset. It should be noted that coverage-based development

occured in 2004, but the dataset was re-created in a Personal Geodatabase in 2005 to ensure integrity and incorporate modified criteria established after thorough review of the CELC Plan.

#### Process Contact:

Contact\_Information:

Contact\_Organization\_Primary:

Contact\_Organization: EOEA - Office of Coastal Zone

Management

Contact\_Person: Marc Carullo

Contact\_Position: GIS Analyst

Contact\_Address:

Address\_Type: mailing address Address: 251 Causeway Street

Address: Suite 800

City: Boston

State\_or\_Province: MA

Postal\_Code: 02114

Country: USA

Contact\_Voice\_Telephone: (617) 626-1200

Contact\_Facsimile\_Telephone: (617) 626-1240

Contact\_Electronic\_Mail\_Address: marc.carullo@state.ma.us

Hours\_of\_Service: 9 AM - 5 PM

## Process\_Step:

Process\_Description:

SDE layers and shapefiles were imported to a Personal Geodatabase (hereafter referred to as PGD) to maintain data integrity and organization. Topology classes were created to enforce a suite of rules for lines (select hydrography) and polygons. Examples of rules enforced are that features: Must Not Overlap, Must Not Have Dangles, Must Not Self-Intersect, and Must Be Larger Than Cluster Tolerance.

Process\_Date: September 2005

Process\_Step:

Process\_Description:

Preliminary modifications performed include:

- 1) add a background polygon to Coastal Zone Towns (78 coastal communities) to account for future mapping scale differences that would place upland areas in rivers, estuaries, etc.
- 2) select desirable features in Hydrography (line and polygon), Q3 Flood Zones, and Open Space for geoprocessing.

Process\_Date: September 2005

Process\_Step:

## *Process\_Description:*

Modify and update the Statewide Land Conservation Plan (SLCP) data for the Coastal Zone. See the CELC Plan for more information about the SLC Plan.

- a. ERASE areas from the SLCP data where the Department of Agricultural Resources (DAR) provided the only vote for the Executive Office of Environmental Affairs (EOEA) partner votes;
- b. Reduce physical feature votes in the SLCP by one vote for Surface Water Protection Areas (Zone A, B, C), EPA Sole Source Aquifers, DEP Wellhead Protection Areas (Zone II), and DEP Wellhead Protection Areas (Interim);
- c. Use IDENTITY to capture NHESP's BioMap Core Habitat in the SLCP;
- d. CALCULATE VALUES for total votes (partner votes, physical votes, -1 vote for Cape Cod);
- e. Delete all records where there are less than 3 votes and BioMap Core Habitat is not present.

Process\_Date: September 2005

*Process\_Step:* 

Process\_Description:

Buffer coastal focus features, integrate with SLCP data, and screen areas for potential conservation.

Buffer the following modified feature classes by their respective distances:

- a. Hydrography by 1000 feet (on each side for linear features, and outside of polygonal features)
- b. Coastline by 2000 feet
- c. FEMA Q3 by 2000 feet
- d. DCR Trail Vision by 200 feet (on each side of features)

UNION all buffered feature classes and the modified SLCP feature class. Use IDENTITY to integrate the UNION output feature class and MassGIS's 37-class Land Use data for 1999. ERASE selected Protected and Recreational Open Space (where Level of Protection = P [in perpituity) and statewide National Wildlife Refuge boundaries.

Delete all records where Land Use equals:

Mining, Participation recreation, Spectator recreation, Water-based recreation, Residential (all -- high density to low density), Commercial, Industrial, Transportation, Waste Disposal, Marina, Urban public (building or facility), Transportation facility, or Cemetary.

Process\_Date: September 2005

Process\_Step:

*Process\_Description:* 

Clean and prepare data for distribution.

Use IDENTITY to code each record by Town. CALCULATE an areaperimeter ratio for each record. ELIMINATE records where area is less than 0.25 acres. Delete remaining "island" polygons (i.e., polygons that do not share a line segment or touch the boundary of another polygon) that are less than 0.25 acres in size. ELIMINATE records where area is greater than or equal to 0.25 acres AND less than 0.5 acres AND the area-perimeter ratio is less than five. Delete remaining "island" polygons that are less than 0.5 acres and have an area-perimeter ratio of less than five.

DISSOLVE by Town and EXPLODE to single part features.

Export to multiple Shapefiles by Town (78), compress (zip), and attach to self-extracting executable for uploading to Web server.

Process\_Date: November 2005

```
Spatial_Data_Organization_Information:
    Direct_Spatial_Reference_Method: Vector
    Point_and_Vector_Object_Information:
        SDTS_Terms_Description:
        SDTS_Point_and_Vector_Object_Type: G-polygon
        Point_and_Vector_Object_Count: 7063
```

```
Spatial_Reference_Information:
    Horizontal_Coordinate_System_Definition:
    Planar:
    Grid_Coordinate_System:
```

```
Grid_Coordinate_System_Name: State Plane Coordinate System 1983
                          State_Plane_Coordinate_System:
                                 SPCS_Zone_Identifier: 2001
                                 Lambert_Conformal_Conic:
                                       Standard_Parallel: 41.716667
                                       Standard Parallel: 42.683333
                                       Longitude_of_Central_Meridian: -71.500000
                                       Latitude_of_Projection_Origin: 41.000000
                                       False_Easting: 200000.000000
                                       False_Northing: 750000.000000
                   Planar_Coordinate_Information:
                          Planar_Coordinate_Encoding_Method: coordinate pair
                          Coordinate_Representation:
                                 Abscissa_Resolution: 0.000256
                                 Ordinate_Resolution: 0.000256
                          Planar_Distance_Units: meters
             Geodetic Model:
                   Horizontal Datum Name: North American Datum of 1983
                   Ellipsoid Name: Geodetic Reference System 80
                   Semi-major_Axis: 6378137.000000
                   Denominator_of_Flattening_Ratio: 298.257222
      Vertical_Coordinate_System_Definition:
            Altitude_System_Definition:
                   Altitude Resolution: 0.000010
                   Altitude Encoding Method:
                          Explicit elevation coordinate included with horizontal coordinates
Entity_and_Attribute_Information:
      Detailed_Description:
             Entity_Type:
                   Entity_Type_Label:
                          <Town> Coastal and Estuarine Land Conservation Program Potential
                          Project Areas
                   Attribute_Label: FID
                   Attribute_Definition: Internal feature number.
                   Attribute_Definition_Source: ESRI
                   Attribute_Domain_Values:
                   Attribute Label: Shape
                   Attribute_Definition: Feature geometry.
```

Attribute:

Attribute:

Attribute\_Definition\_Source: ESRI Attribute Domain Values: Attribute: Attribute\_Label: CELCP\_ID Attribute\_Definition: Coastal and Estuarine Land Conservation Plan ID (follows sequential order of the internal Feature ID [FID]). Attribute\_Definition\_Source: CZM Attribute\_Domain\_Values: Range\_Domain: Range\_Domain\_Minimum: 1 Range\_Domain\_Maximum: 7064 Attribute: Attribute\_Label: TOWN\_ID Attribute\_Definition: Massachusetts Town ID (alphabetical). Attribute\_Definition\_Source: MassGIS Attribute Domain Values: Range\_Domain: Attribute: Attribute\_Label: TOWN Attribute\_Definition: City or Town name. Attribute\_Definition\_Source: MassGIS Attribute\_Domain\_Values: Range\_Domain: Attribute\_Label: AREA\_ACRES Attribute\_Definition: Area of feature in acres. Attribute\_Domain\_Values: Range\_Domain:

#### Attribute:

#### Attribute:

Attribute\_Label: SHAPE\_AREA Attribute\_Definition: Area of feature in internal units squared. Attribute\_Definition\_Source: ESRI Attribute\_Domain\_Values: Range\_Domain:

#### Attribute:

Attribute\_Label: SHAPE\_LENG Attribute\_Definition:

Perimeter (same as Length, but for polygon features) in square meters.

## Overview\_Description:

Entity\_and\_Attribute\_Overview:

This dataset does not contain extensive attribution. It's focus is narrow and it's purpose is to guide interested parties in the application process by providing

potential project area boundaries. Attribute definitions can be seen above.

```
Distribution_Information:
```

Distributor:

Contact\_Information:

Contact\_Organization\_Primary:

Contact\_Organization: EOEA - Office of Coastal Zone Management

Contact\_Person: Marc Carullo

Contact\_Position: GIS Analyst

Contact\_Address:

Address\_Type: mailing address Address: 251 Causeway Street

Address: Suite 800

City: Boston

State\_or\_Province: MA

Postal\_Code: 02114

Country: USA

Contact\_Voice\_Telephone: (617) 626-1200

Contact\_Facsimile\_Telephone: (617) 626-1240

Contact\_Electronic\_Mail\_Address: marc.carullo@state.ma.us

Hours\_of\_Service: 9 AM - 5 PM

Resource\_Description: Downloadable Data

 $Standard\_Order\_Process:$ 

Digital\_Form:

 $Digital\_Transfer\_Information:$ 

Transfer\_Size: 18.929

Ordering\_Instructions:

To download go to <a href="http://www.mass.gov/czm/celcp/index.htm">http://www.mass.gov/czm/celcp/index.htm</a>, read the disclaimer and user constraints, and choose the appropriate link.

Custom\_Order\_Process:

Please contact CZM with questions regarding alternative methods of receiving data.

Technical\_Prerequisites:

CZM's data may be used in many standard GIS software products. See each software's vendor for technical prerequisites.

Metadata Reference Information:

Metadata\_Date: 20051117

Metadata\_Contact:

Contact\_Information:

Contact\_Organization\_Primary:

Contact\_Organization: EOEA - Office of Coastal Zone Management

Contact\_Person: Marc Carullo

Contact\_Position: GIS Analyst

Contact\_Address:

Address\_Type: mailing address Address: 251 Causeway Street

Address: Suite 800

City: Boston

State\_or\_Province: MA
Postal Code: 02114

Country: USA

Contact\_Voice\_Telephone: (617) 626-1200 Contact\_Facsimile\_Telephone: (617) 626-1240

Contact\_Electronic\_Mail\_Address: marc.carullo@state.ma.us

Hours\_of\_Service: 9 AM - 5 PM

Metadata\_Standard\_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata\_Standard\_Version: FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

Metadata Extensions:

Online\_Linkage: <a href="mailto:</a><a href="mailto://www.esri.com/metadata/esriprof80.html">metadata/esriprof80.html</a><a href="mailto://www.esri.com/metadata/esriprof80.html">metadata/esriprof80.html</a><a href="mailto://www.esri.com/metadata/esriprof80.html">metadata/esriprof80.html</a><a href="mailto://www.esri.com/metadata/esriprof80.html">metadata/esriprof80.html</a></a>

Profile\_Name: ESRI Metadata Profile

Generated by mp version 2.8.6 on Thu Nov 17 10:05:07 2005